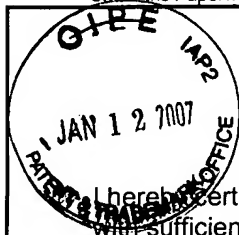


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Certificate of Mailing under 37 CFR 1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

MAIL STOP: AMENDMENT
Comissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: January 9, 2007 Attorney Docket No: 14846-54 Serial No.: 10/802,606

Signature

Daniel D. Sierchio

Typed or printed name of person signing Certificate

53,591

Registration Number, if applicable

973-597-2500

Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper

- (1) Supplemental Information Disclosure Statement; (2 sheets plus duplicate)
- (2) PTO/SB/08a and SB/08b (4 sheets);
- (3) References; and
- (4) Post card

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
ZIEMANN ET AL.) Examiner: Cherly Renea Lewis
Application No.: 10/802,606) Group Art Unit: 2167
Filed: March 17, 2004)
For: PROCESSING OF TREE DATA)
STRUCTURES) January 9, 2007

Mail Stop **AMENDMENT**
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed forms PTO/SB/08a and 08b. Copies of listed documents other than U.S. Patents and U.S. published applications are enclosed.

It is respectfully requested that forms PTO/SB/08a and 08b be initialed and returned, indicating that the cited documents have been considered.

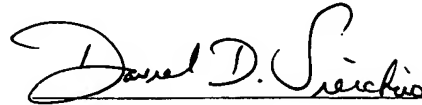
The Commissioner is authorized to charge \$180.00 to Deposit Account 501358 to cover the required Information Disclosure Statement fee under 37 C.F.R. 1.17 (p). If any additional fees are required, the Commissioner is authorized to charge them to the above-identified deposit account number. A duplicate of this fee authorization is attached for accounting purposes.

01 FC:1806 180.00 DA 18002606

Applicants' undersigned attorney may be reached by telephone at (973) 597-2500.

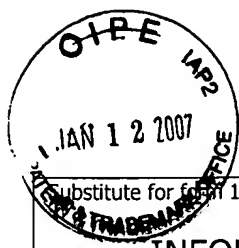
All correspondence should continue to be directed to our address listed below.

Respectfully submitted,

A handwritten signature in black ink, reading "Daniel D. Sierchio". The signature is written in a cursive style with a large, stylized "D" at the beginning.

Daniel D. Sierchio
Attorney for Applicants
Registration No. 53,591

Docket Administrator
Lowenstein Sandler PC
65 Livingston Avenue
Roseland, NJ 07068



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(USE AS MANY SHEETS AS NECESSARY)

Sheet	1	Of	4	Attorney Docket Number	14846-54
-------	---	----	---	------------------------	----------

Complete if Known

Application Number	10/802,606
Filing Date	March 17, 2004
First Named Inventor	Ziemann et al.
Art Unit	2167
Examiner Name	Cheryl Renea Lewis
Attorney Docket Number	14846-54

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		6266683	07/24/2001	Yehuda et al.	
		6557039	04/29/2003	Leong et al.	
		5313616	05/17/1994	Cline et al.	
		5835770	11/10/1998	Shum et al.	
		5872976	02/16/1999	Yee et al.	
		5347518	09/13/1994	Lee	
		5828883	10/27/1998	Hall	
		5701471	12/23/1997	Subramanyam	
		5748878	05/05/1998	Rees et al.	
		5752034	05/12/1998	Srivastava	
		5758061	05/26/1998	Plum	
		5920719	07/06/1999	Sutton et al.	
		6026237	02/15/2000	Berry et al.	
		6029002	02/22/2000	Afifi et al.	
		6058393	05/02/2000	Meier et al.	
		6125390	09/26/2000	Touboul	
		6138112	10/24/2000	Slutz	
		6145121	11/07/2000	Levy et al.	
		6237143	05/22/2001	Fontana et al.	
		6243862	06/05/2001	Lebow	
		6269479	07/31/2001	Puram	
		6301701	10/09/2001	Walker et al.	
		6311327	10/30/2001	O'Brien et al.	
		6467052	10/15/2002	Kaler et al.	
		2002/0049666	04/25/2002	Reuter et al.	
		5787402	07/28/1998	Potter et al.	
		5159687	10/27/1992	Richburg	
		6188400	02/13/2001	House et al.	
		6256635	07/03/2001	Arrouye et al.	
		6311320	10/30/2001	Jibbe	
		6453310	09/17/2002	Zander	
		6681380	01/20/2004	Britton et al.	
		6697835	02/24/2004	Hanson et al.	
		6701514	03/02/2004	Haswell et al.	
		6714219	03/30/2004	Lindhorst et al.	
		2003/0027561	02/06/2003	Iyer	
		2003/0140045	07/24/2003	Heninger et al.	
		6163776	12/19/2000	Periwal	
		6539383	03/25/2003	Charlet et al.	
		6418448	07/09/2002	Sarkar	
		6456995	09/24/2002	Salo et al.	
		5907846	05/25/1999	Berner et al.	
		6081808	06/27/2000	Blackman et al.	
		6279008	08/21/2001	Tung Ng et al.	
		6385618	05/07/2002	Ng et al.	
		6397221	05/28/2002	Greef et al.	
		6405209	06/11/2002	Obendorf	
		6418451	07/09/2002	Maimone	

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE AS MANY SHEETS AS NECESSARY)				Complete if Known	
				Application Number	10/802,606
				Filing Date	March 17, 2004
				First Named Inventor	Ziemann et al.
				Art Unit	2167
				Examiner Name	Cheryl Renea Lewis
Sheet	2	Of	4	Attorney Docket Number	14846-54

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		6477540	11/05/2002	Singh et al.	
		6490581	12/03/2002	Neshatfar et al.	
		6502104	12/31/2002	Fung et al.	
		6539397	03/25/2003	Doan et al.	
		6539398	03/25/2003	Hannan et al.	
		2002/0091702	07/11/2002	Mullins	
		2005/0027658	02/03/2005	Moore et al.	
		5774553	06/30/1998	Rosen	
		2002/0038320	03/28/2002	Brook	
		2003/0018666	01/23/2003	Chen et al.	
		2003/0069975	04/10/2003	Abjanic et al.	
		2003/0070158	04/10/2003	Lucas et al.	
		2003/0140308	07/24/2003	Murthy et al.	
		2003/0163603	08/28/2003	Fry et al.	
		2003/0167445	09/04/2003	Su et al.	
		2003/0177341	09/18/2003	Devillers	
		6601075	07/29/2003	Huang et al.	
		2003/0145047	07/31/2003	Upton	
		2003/0177118	09/18/2003	Moon, et al.	
		2005/0060345	03/17/2005	Doddington	
		5630173	05/13/1997	Opreescu	
		5784557	07/21/1998	Opreescu	
		6009405	12/28/1999	Leymann et al.	
		6065009	05/16/2000	Leymann et al.	
		6108698	08/22/2000	Tenev et al.	
		6381609	04/30/2002	Breitbart et al.	
		6502095	12/31/2002	Breitbart et al.	
		6539337	03/25/2003	Provan et al.	
		2002/0116205	08/22/2002	Ankireddipally et al.	
		2002/0144101	10/03/2002	Wang et al.	
		2002/0188765	12/12/2002	Fong et al.	
		2003/0217033	11/20/2003	Sandler et al.	
		3872448	03/18/1975	Mitchell Jr.	
		5764972	06/09/1998	Crouse et al.	
		5832523	11/03/1998	Kanai et al.	
		5845293	12/01/1998	Veghte et al.	
		6226652	05/01/2001	Percival et al.	
		6263121	07/17/2001	Melen et al.	
		6336122	01/01/2002	Lee et al.	
		6535894	03/18/2003	Schmidt et al.	
		6574640	06/03/2003	Stahl	
		6651076	11/18/2003	Asano	
		6678705	01/13/2004	Berchtold et al.	
		6691139	02/10/2004	Ganesh et al.	
		6711594	03/23/2004	Yano et al.	
		2002/0007287	01/17/2002	Straube et al.	
		2002/0029228	03/07/2002	Rodriguez, et al.	
		2002/0038226	03/28/2002	Tyus	

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE AS MANY SHEETS AS NECESSARY)				Complete if Known	
				Application Number	10/802,606
				Filing Date	March 17, 2004
				First Named Inventor	Ziemann et al.
				Art Unit	2167
				Examiner Name	Cheryl Renea Lewis
Sheet	3	Of	4	Attorney Docket Number	14846-54

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		2002/0178439	11/28/2002	Rich et al.	
		2003/0046313	03/06/2003	Leung et al.	
		2003/0191849	10/09/2003	Leong et al.	
		2003/0217083	11/20/2003	Taylor	
		2004/0122872	06/24/2004	Pandya et al.	
		2002/0065695	05/30/2002	Francoeur et al.	
		2005/0065987	03/24/2005	Telknowski et al.	
		5168444	12/01/1992	Cukor et al.	
		5278982	01/11/1994	Daniels et al.	
		5455946	10/03/1995	Mohan et al.	
*		5978477	11/02/1999	Hull et al.	
		6449623	09/10/2002	Bohannon et al.	
		6665086	12/16/2003	Hull et al.	
*		6012087	01/04/2000	Freivald, et al.	
		6763384	07/13/2004	Gupta, et al.	
		6880010	04/12/2005	Webb, et al.	
		6918013	07/12/2005	Jacobs, et al.	
		6938072	08/30/2005	Berman, et al.	
		2004/0060006	03/25/2004	Lindblad et al.	
		5202986	04/13/1993	Nickel	
		5471613	11/28/1995	Banning et al.	
FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		95/03586	02/02/1995	Henninger et al.	
		96/34350	10/31/1996	Althoff et al.	
		02/046980	06/13/2002	Lichtenberg et al.	
Examiner Signature				Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE AS MANY SHEETS AS NECESSARY)				Complete if Known	
				Application Number	10/802,606
				Filing Date	March 17, 2004
				First Named Inventor	Ziemann et al.
				Art Unit	2167
				Examiner Name	Cheryl Renea Lewis
Sheet	4	Of	4	Attorney Docket Number	14846-54

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		DENG ET AL.; A PROBABILISTIC APPROACH TO FAULT DIAGNOSIS IN LINEAR LIGHTWAVE NETWORKS, DEPARTMENT OF ELECTRICAL ENGINEERING, 05/1992, PP. 1-22	
		DEUTSCH ET AL., STORING SEMISTRUCTURED DATA WITH STORED, PROCEEDINGS OF THE 1999 ACM SIGMOD INTERNATIONAL CONFERENCE ON MANAGEMENT OF DATA, ACM, 1999, PAGES 431-442	
		DUGGAN; 2.40 GENERAL - REVIEWS AND ABSTRACTS, SPI DATABASE OF SOFTWARE TECHNOLOGIES, PG. 1-5, 02/01/1974	
		HILBERT, ET AL., AN APPROACH TO LARGE SCALE COLLECTION OF APPLICATION USAGE DATA OVER THE INTERNET, SOFTWARE ENGINEERING 1998, PROCEEDINGS OF THE 1998 INTERNATIONAL CONFERENCE, ABSTRACT, 04/1998	
		JAGADISH ET AL., TAX: A TREE ALGEBRA FOR XML, SPRINGER-VERIAG, 202, PAGES 149-164	
		JAGADISH ET AL., TIMBER, A NATIVE XML DATABASE, PUBLISHED ONLINE; DECEMBER 19, 2002, SPRINGER-VERIAG, PAGES 274-291	
		MOSER; TRANSACTIONS IN A DISTRIBUTED OBJECT ENVIRONMENT, DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING, 06/19/2005	
		QUANTITATIVE MONITORING OF SOFTWARE DEVELOPMENT BY TIME-BASED AND INTERCHECKPOINT MONITORING, SOFTWARE ENGINEERING JOURNAL, VOL. 5, ISS. 1, ABSTRACT, JAN-90	
		SAMMET; BEGINNING OF 4.6 SOFTWARE EVALUATION, TESTS AND MEASUREMENTS AND RMF I/O TIME VALIDATION, ASSOCIATION OF COMPUTING MACHINERY, PG. 519	
		STROM ET AL.; GRYPHON: AN INFORMATION FLOW BASED APPROACH TO MESSAGE BROKERING, INTERNATIONAL SYMPOSIUM ON SOFTWARE RELIABILITY, 06/20/2005	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.